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**REVOCATION OF POWER OF  
ATTORNEY WITH  
NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	09/392468
Filing Date	9/9/1999
First Named Inventor	Smith
Art Unit	2176
Examiner Name	
Attorney Docket Number	127667.01

I hereby revoke all previous powers of attorney given in the above-identified application.

**RECEIVED**☐ A Power of Attorney is submitted herewith.

AUG 03 2004

Technology Center 2100

OR

☒ I hereby appoint the practitioners associated with the Customer Number:

38991

☒ Please change the correspondence address for the above-identified application to:☐ The address associated with  
Customer Number:

OR

☒ Firm or  
Individual Name

Microsoft Corporation

Address

Patent Group Docketing

Address

One Microsoft Way

City

Redmond

State

WA

Zip

98052

Country

USA

Telephone

425-706-8080

Fax

425-936-7329

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Name

D. Bartley Eppeneuer

Signature

Date

6/23/04

Telephone

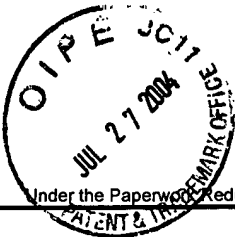
425-703-0645

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 3 forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Microsoft Corporation

Application No./Patent No.: 09/392,468 Filed/Issue Date: 9/9/1999

Entitled: HIGH DENSITY VISUALIZATIONS FOR THREADED INFORMATION

Microsoft Corporation, a WASHINGTON Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or

2. ☐ an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 010483, Frame 0367, or for which a copy thereof is attached.  
010483 0316

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

6/23/04

Date

425-703-0645

Telephone number

D. Bartley Eppendauer

Typed or printed name

[Signature]

Signature

Assistant Secretary

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

MARCH 30, 2000

OPSOLON LLP  
MARK M. MEININGER  
4370 NE HALSEY STREET  
PORTLAND, OREGON 97213



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UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

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\*101244457A\*

AUG 03 2004

Technology Center 2100

25-APP  
ACCT# 127667.1  
APPLICATION

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/28/1999

REEL/FRAME: 010483/0367  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
XIONG, REBECCA

DOC DATE: 11/16/1999

ASSIGNEE:  
MICROSOFT CORPORATION  
ONE MICROSOFT WAY  
REDMOND, WASHINGTON 98052

SERIAL NUMBER: 09392468  
PATENT NUMBER:

FILING DATE: 09/09/1999  
ISSUE DATE:

JOANN STEWART, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

Microsoft Patent Dept.

APR 10 2000

① PD ND By: RP/TN

127667.1

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-14-2000



OMMERCE  
mark Office

RECORDATION FORM COVER  
PATENTS ONLY

101244457

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

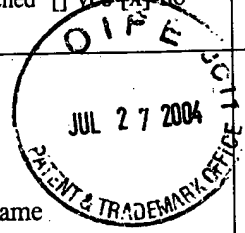
1. Name of conveying party(ies):  
Rebecca Xiong

2. Name and address of receiving party(ies):  
28

Additional name(s) of conveying party(ies) attached ☐ yes ☒ no

Name: Microsoft Corporation  
**RECEIVED**

3. Nature of Conveyance:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other (describe):  
Execution Date:



Business Address:  
One Microsoft Way  
Redmond, Washington 98052  
AUG 03 2004  
Technology Center 2100  
Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)  
09/392,468

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Mark M. Meininger  
Ipsolon LLP  
4370 NE Halsey Street  
Portland Oregon 97213

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00  
[X] Enclosed  
[ ] Any deficiencies are authorized to be charged to deposit account

8. Deposit account number: 50-0241  
(Attach duplicate copy of this page if paying by deposit account)

01/14/2000 DC0ATES 00000029 09392468

01 FE:581 40.00 DP

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Name: Mark M. Meininger  
Registration No. 32,428

Date: December 23, 1999

Total number of pages including cover sheet: 3

## ASSIGNMENT

WHEREAS, I, Rebecca Xiong (hereinafter referred to as ASSIGNOR), of the City of Cambridge, the State of Massachusetts am an inventor of an invention entitled High Density Visualizations for Threaded Information, as described and claimed in the specification forming part of an application for United States letters patent filed September 9, 1999 and designated as Application No. 09/392,468;

WHEREAS Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, transfer and sale not been made. ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR agrees to

execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Executed at the place and date opposite my signature below.



Rebecca Xiong

At Cambridge (city), Massachusetts  
on this 16 day of November, 1999

STATE OF MASSACHUSETTS )  
COUNTY OF Middlesex ) ss.

This 16 day of November, 1999, before me personally came the above-named Rebecca Xiong, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public for  
My commission expires:

  
My Commission Expires December 12, 1997.

[SEAL]



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

MARCH 30, 2000

PTAS



\*1 01244456A\*

IPSOLON LLP  
MARK M. MEININGER  
4370 NE HALSEY STREET  
PORTLAND, OR 97213

25-APP  
ACCT# 127667.1  
APPLICATION

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/28/1999

REEL/FRAME: 010483/0316  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS)

ASSIGNOR:  
SMITH, MARC A.

DOC DATE: 12/06/1999

ASSIGNOR:  
DRUCKER, STEVEN M.

DOC DATE: 12/06/1999

ASSIGNEE:  
MICROSOFT CORPORATION  
ONE MICROSOFT WAY  
REDMOND, WASHINGTON 98052

SERIAL NUMBER: 09392468  
PATENT NUMBER:

FILING DATE: 09/09/1999  
ISSUE DATE:

LAWAN FLETCHER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

Microsoft Patent Dept.

APR 10 2000

DPD ND By: RP/TN

127667.1

12-28-99

01-14-2000

RECORDATION  
PATU.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

101244456

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Marc A. Smith and Steven M. Drucker

2. Name and address of receiving party(ies):

28

Additional name(s) of conveying party(ies) attached ☐ yes ☒ no

Name: Microsoft Corporation

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other (describe):

Business Address:

One Microsoft Way

Redmond, Washington 98052

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date:

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/392,468

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Mark M. Meininger  
Ipsolon LLP  
4370 NE Halsey Street  
Portland Oregon 97213

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

☒ Enclosed☐ Any deficiencies are authorized to be charged to deposit account.

8. Deposit account number: 50-0241

(Attach duplicate copy of this page if paying by deposit account)

01/14/2000 DC0ATES 00000030 09392468

40.00 DP

DO NOT USE THIS SPACE

01 FC-581

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Name: Mark M. Meininger  
Registration No. 32,428

Date: December 23, 1999

Total number of pages including cover sheet: 4



## ASSIGNMENT

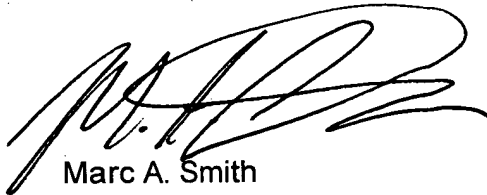
WHEREAS, we, Marc A. Smith and Steven M. Drucker (hereinafter referred to as ASSIGNORS), of, respectively, the Cities of Redmond and Bellevue, of the County of King and the State of Washington, are joint inventors of an invention entitled High Density Visualizations for Threaded Information, as described and claimed in the specification forming part of an application for United States letters patent filed September 9, 1999 and designated as Application No. 09/392,468;

WHEREAS Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS

hereby authorize and request the Commissioner of Patents and Trade marks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Executed at the place and date opposite our respective signatures below.



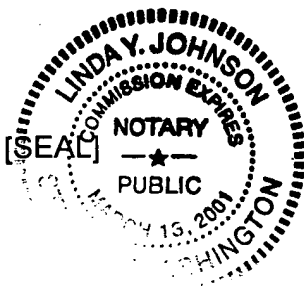
Marc A. Smith


At Redmond, Washington

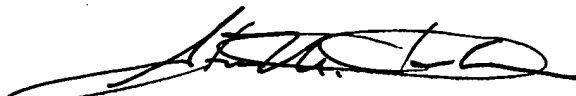
on this 6 day of December, 1999

STATE OF WASHINGTON     )  
  ) ss.  
COUNTY OF KING         )

This 6 day of December 1999, before me personally came the above-named Marc A. Smith, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



  
Notary Public for Washington  
My commission expires: 3-13-2001



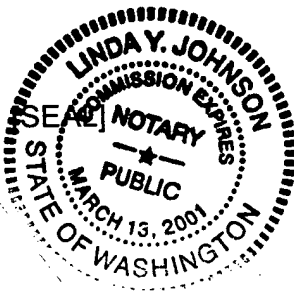
Steven M. Drucker

At Redmond, Washington

on this 6 day of December, 1999

STATE OF WASHINGTON     )  
                                      ) ss.  
COUNTY OF KING         )

This 6 day of December, 1999, before me personally came the above-named Steven M. Drucker, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



*Linda Y. Johnson*  
Notary Public for Washington  
My commission expires: 3-13-2001